



Sequence\_List  
SEQUENCE LISTING

<110> OLSTEIN, ALAN D.  
FEIRTAG, JOELLEN

<120> BACTERIOICIN-METAL COMPLEXES IN THE DETECTION OF  
PATHOGENS AND OTHER BIOLOGICAL ANALYTES

<130> 7005-0003

<140> 10/082,618

<141> 2002-02-22

<160> 8

<170> PatentIn Ver. 2.1

<210> 1

<211> 52

<212> PRT

<213> Staphylococcus gallinarum

<400> 1

Met Glu Ala Val Lys Glu Lys Asn Glu Leu Phe Asp Leu Asp Val Lys  
1 5 10 15  
Val Asn Ala Lys Glu Ser Asn Asp Ser Gly Ala Glu Pro Arg Ile Ala  
20 25 30  
Ser Lys Phe Leu Cys Thr Pro Gly Cys Ala Lys Thr Gly Ser Phe Asn  
35 40 45  
Ser Tyr Cys Cys  
50

<210> 2

<211> 60

<212> PRT

<213> Staphylococcus epidermidis

<400> 2

Met Lys Asn Asn Lys Asn Leu Phe Asp Leu Glu Ile Lys Lys Glu Thr  
1 5 10 15  
Ser Gln Asn Thr Asp Glu Leu Glu Pro Gln Thr Ala Gly Pro Ala Ile  
20 25 30  
Arg Ala Ser Val Lys Gln Cys Gln Lys Thr Leu Lys Ala Thr Arg Leu  
35 40 45  
Phe Thr Val Ser Cys Lys Gly Lys Asn Gly Cys Lys  
50 55 60

<210> 3

<211> 22

<212> PRT

<213> Streptococcus mutans

<400> 3

Phe Lys Ser Trp Ser Phe Cys Thr Pro Gly Cys Ala Lys Thr Gly Ser  
1 5 10 15

# Sequence\_List

Phe Asn Ser Tyr Cys Cys  
20

<210> 4  
<211> 56  
<212> PRT  
<213> Bacillus subtilis

<400> 4  
Met Ser Lys Phe Asp Asp Phe Asp Leu Asp Val Val Lys Val Ser Lys  
1 5 10 15  
Gln Asp Ser Lys Ile Thr Pro Gln Trp Lys Ser Glu Ser Leu Cys Thr  
20 25 30  
Pro Gly Cys Val Thr Gly Ala Leu Gln Thr Cys Phe Leu Gln Thr Leu  
35 40 45  
Thr Cys Asn Cys Lys Ile Ser Lys  
50 55

<210> 5  
<211> 57  
<212> PRT  
<213> Lactococcus lactis

<400> 5  
Met Ser Thr Lys Asp Phe Asn Leu Asp Leu Val Ser Val Ser Lys Lys  
1 5 10 15  
Asp Ser Gly Ala Ser Pro Arg Ile Thr Ser Ile Ser Leu Cys Thr Pro  
20 25 30  
Gly Cys Lys Thr Gly Ala Leu Met Gly Cys Asn Met Lys Thr Ala Thr  
35 40 45  
Cys His Cys Ser Ile His Val Ser Lys  
50 55

<210> 6  
<211> 52  
<212> PRT  
<213> Staphylococcus epidermidis

<400> 6  
Met Glu Ala Val Lys Glu Lys Asn Asp Leu Phe Asn Leu Asp Val Lys  
1 5 10 15  
Val Asn Ala Lys Glu Ser Asn Asp Ser Gly Ala Glu Pro Arg Ile Ala  
20 25 30  
Ser Lys Phe Ile Cys Thr Pro Gly Cys Ala Lys Thr Gly Ser Phe Asn  
35 40 45  
Ser Tyr Cys Cys  
50

<210> 7

# Sequence\_List

<211> 55

<212> PRT

<213> Staphylococcus epidermidis

<400> 7

Met Asn Asn Ser Leu Phe Asp Leu Asn Leu Asn Lys Gly Val Glu Thr  
1 5 10 15

Gln Lys Ser Asp Leu Ser Pro Gln Ser Ala Ser Val Leu Lys Thr Ser  
20 25 30

Ile Lys Val Ser Lys Lys Tyr Cys Lys Gly Val Thr Leu Thr Cys Gly  
35 40 45

Cys Asn Ile Thr Gly Gly Lys  
50 55

<210> 8

<211> 767

<212> DNA

<213> Streptococcus lactis

<400> 8

|             |            |             |            |             |            |     |
|-------------|------------|-------------|------------|-------------|------------|-----|
| agttgacgaa  | tatttaataa | ttttattaat  | atcttgattt | tctagttcct  | gaataatata | 60  |
| gagatagggt  | tattgagtc  | tagacatact  | tgaatgacct | agtcttataa  | ctatactgac | 120 |
| aatagaaaca  | ttaacaaatc | taaaacagtc  | ttaattctat | cttgagaaaag | tattggtaat | 180 |
| aatattattg  | tcgataacgc | gagcataata  | aacggctctg | attaaattct  | gaagtttggt | 240 |
| agatacaatg  | atttcgttcg | aaggaaactac | aaaataaatt | ataaggaggc  | actcaaaatg | 300 |
| agtacaaaag  | attttaactt | ggatttggtg  | tctgtttcga | agaaagattc  | aggtgcatca | 360 |
| ccacgcatta  | caagtatttc | gctatgtaca  | cccgtttgta | aaacaggagc  | tctgatgggt | 420 |
| tgtaacatga  | aaacagcaac | ttgtcattgt  | agtattcacg | taagcaaata  | accaaataca | 480 |
| aggatagtat  | tttgttagtt | cagacatgga  | tactatccta | tttttataag  | ttatttaggg | 540 |
| ttgctaaata  | gcttataaaa | ataaagagag  | gaaaaaacat | gataaaaagt  | tcatttaaag | 600 |
| ctcaaccggt  | tttagtaaga | aatacaattt  | tatctccaaa | cgataaacgg  | agttttactg | 660 |
| aataacttca  | agtcatcgag | actgtaagta  | aaaataaagt | ttttttggaa  | cagttactac | 720 |
| tagctaattcc | taaactctat | gatgttatgc  | agaaatataa | tgctggt     |            | 767 |